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Title: **JP7137140A2: INDUCTION HEATER**

Country: **JP Japan**
Kind: **A**

Inventor(s): **NAKAHARA TSUTAE**
WATANABE IKUJI

Applicant/Assignee: **ADOHEYA SANSHO KK**
YUASA TSUSHINKI KOGYO KK
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Issued/Filed Dates: **May 30, 1995 / Nov. 16, 1993**

Application Number: **JP199300031128**

IPC Class: **B29C 65/50; B29C 65/36; B29C 65/40; C09J 5/06;**
H05B 6/06; B29L 31/58;

Priority Number(s): **Nov. 16, 1993 JP199300031128**

Abstract:

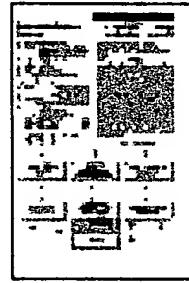


Purpose: To prevent breakdown of an output circuit from occurring owing to abnormal high voltage in an induction heater for melting an adhesive by induction heating of a conductive base material of an adhesive tape when end parts of a plurality of carpets laid on a floor are bonded to each other by using the adhesive tape so structured that a hot melt type adhesive is applied onto a surface of the conductive base material.

Constitution: An overvoltage protective circuit 14 which stops oscillation of an oscillating circuit 8 when back electromotive force generated in a heating coil L becomes at least a specific value, and an overcurrent protective circuit 15 which intercepts output of the oscillating circuit 8 to the output transistor when a current flowing to the output transistor of an output circuit 10 becomes at least a specific value, are incorporated into an apparatus body to prevent breakdown of the output transistor from occurring owing to abnormal high voltage and overcurrent.

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Family: [Show known family members](#)
Other Abstract Info: DERABS C95-227939 DERC95-227939
Foreign References: No patents reference this one



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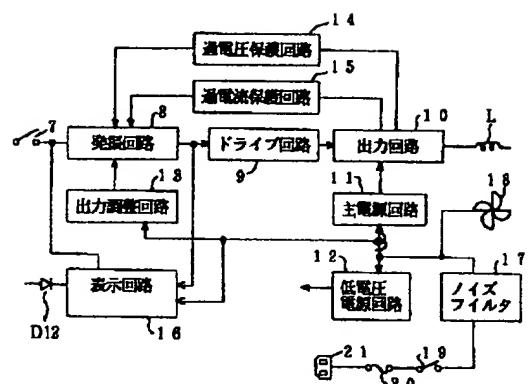
面図である。

【符号の説明】

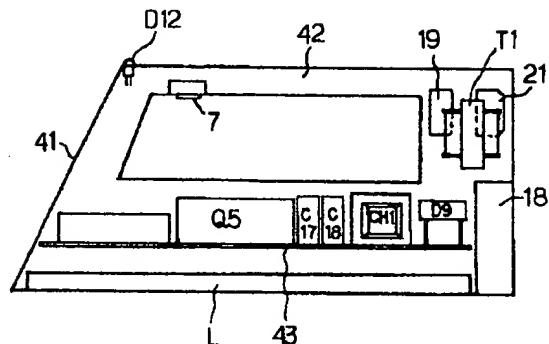
- 1 床面
- 2 カーペット
- 3 接着テープ
- 4 誘導加熱装置
- 5 薄電性基材
- 6 接着剤層
- 8 発振回路
- 9 ドライブ回路

- 10 出力回路
- 11 主電源回路
- 12 低電圧電源回路
- 13 出力調整回路
- 14 過電圧保護回路
- 15 過電流保護回路
- 16 表示回路
- Q5 出力トランジスタ
- L 加熱コイル

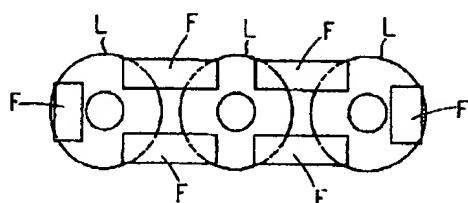
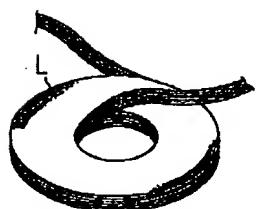
【図1】



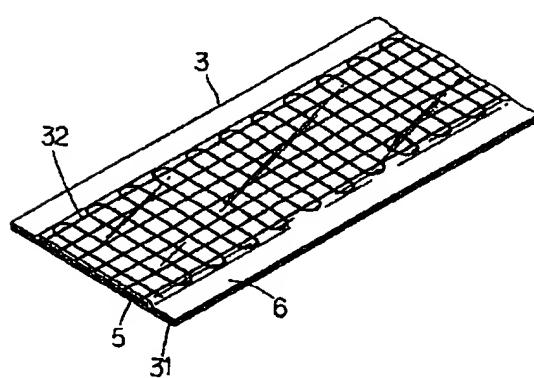
【図3】



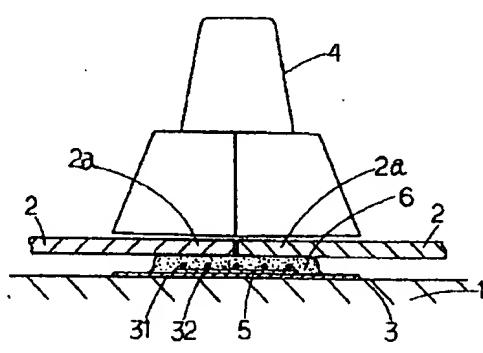
【図4】



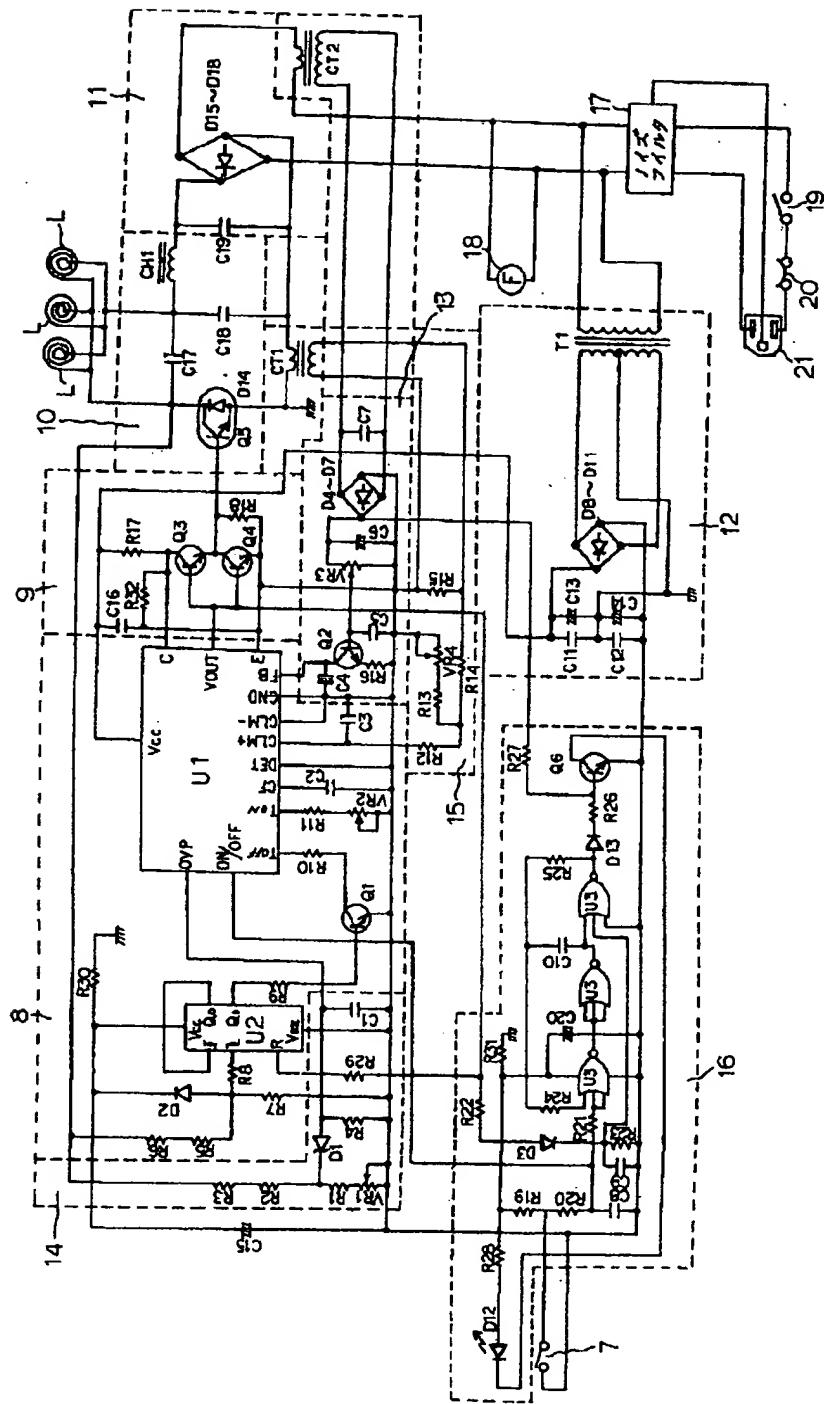
【図6】



【図7】



【図2】



フロントページの続き

(51) Int.Cl.⁶
// B 29 L 31:58

識別記号 庁内整理番号 F I

技術表示箇所